Amendments to the Specification:

Please add the following new paragraphs after the paragraph ending at page 1, line 4:

REFERENCE TO TABLE SUBMITTED ON A COMPACT DISC

This application includes a compact disc (Disc 1 of 2, submitted in duplicate) containing Tables. The entire contents of the Tables are herein incorporated by reference. The Tables are identified on the compact disc as follows.

The compact disc contains Reference Tables designated: reference_table1_4565.710-0004-55300-US-U-36440.01_1.txt; reference_table2_3847.710-0004-55300-US-U-36440.01_1.txt; reference_table3_3769.710-0004-55300-US-U-36440.01_1.txt; reference_table4_3708.710-0004-55300-US-U-36440.01_1.txt; and reference_table5_311987.710-0004-55300-US-U-36440.01_1.txt. The compact disc also contains an ortholog table designated ortholog.txt.

File name	Size (kilobytes)	Date of Creation
reference_table1_311987.710-0004-55300-US-U-36440.01_1.txt	59.9 KB	February 29, 2004
reference_table2_3708.710-0004-55300-US-U-36440.01_1.txt	82.2 KB	February 26, 2004
reference_table3_3769.710-0004-55300-US-U-36440.01_1.txt	99.1 KB	February 26, 2004
reference_table4_3847.710-0004-55300-US-U-36440.01_1.txt	110 KB	February 26, 2004
reference_table5_4565.710-0004-55300-US-U-36440.01_1.txt	44.5 KB	February 26, 2004
Ortholog.txt	6.00 KB	March 15, 2004

The compact disc also contains a Consensus Sequence Table containing consensus sequences designated: 12514_gly_bra; 12514; 12653917; 23771; 3000_dico; 3000; 1610; 519; 8916; 38419_mono; 38419; 38419_dico; 32791; 32348; 5605; 5605_gly_bra; and 519_gly.

File Name	Size (kilobytes)	Date of Creation
Consensus Sequence Table.txt	16.5 KB	May 4, 2004

The compact disc also contains Matrix Tables designated

12514_gly_bra_matrix_table1.txt; 12514_matrix_table2.txt; 12653917_matrix_table3.txt;

23771_matrix_table4.txt; 3000_dico_matrix_table5.txt; 3000_matrix_table6.txt;

1610_matrix_table7.txt; 519_matrix_table8.txt; 8916_matrix_table9txt;

38419_mono_matrix_table10.txt; 38419_matrix_table11.txt; 38419_dico_matrix_table12.txt;

32791_matrix_table13.txt; 32348_matrix_table14.txt; 5605_matrix_table15.txt;

5605_gly_bra_matrix_table16.txt; and 519_gly_matrix_table17.txt.

File Name	Size (kilobytes)	Date of Creation
12514_gly_bra_matrix_1.txt	4.55 KB	April 13, 2004
12514_matrix_2.txt	5.19 KB	April 13, 2004
12653917_matrix_3.txt	48.6 KB	April 21, 2004
1610_matrix_7.txt	6.39 KB	April 9, 2004
23771_matrix_4.txt	5.07 KB	April 8, 2004
3000_dico_matrix_5.txt	11.7 KB	April 23, 2004
3000_matrix_6.txt	10.4 KB	April 9, 2004
32348_matrix_14.txt	18.4 KB	April 23, 2004
32791_matrix_13.txt	9.21 KB	April 13, 2004
38419_dico_matrix_12.txt	12.5 KB	April 23, 2004
38419_matrix_11.txt	14.1 KB	April 21, 2004
38419_mono_matrix_10.txt	12.4 KB	April 14, 2004
519_gly_matrix_17.txt	2.07 KB	April 9, 2004
519_matrix_8.txt	4.14 KB	April 9, 2004
5605_gly_bra_matrix_16.txt	3.26 KB	April 22, 2004
5605_matrix_15.txt	3.12 KB	April 9, 2004
8916_matrix_9.txt	7.70 KB	April 16, 2004

All of the above computer files are incorporated by reference in their entirety.

REFERENCE TO SEQUENCE LISTING SUBMITTED ON A COMPACT DISC

This application includes a compact disc (Disc 2 of 2, submitted in duplicate) containing a

sequence listing. The entire content of the sequence listing is herein incorporated by referenced.

The sequence listing is identified on the compact disc as follows.

File Name	Size (bytes)	Date of Creation
11696-109001.TXT	606,208	June 22, 2004

Please delete the paragraph beginning at page 1, line 4, which starts with " This application includes".

Please delete the paragraph beginning at page 1, line 12, which starts with " The compact disc".

Please delete the paragraph beginning at page 1, line 16, which starts with " The compact disc".

Please delete the paragraph beginning at page 1, line 21, which starts with " All of the".